Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	04/14/2016 12:07 PM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/21/2015 09:33 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 51739, Expiration Date: 01/31/2016 (Expired)
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124470	-1	2.50	124327	2.50
Blue	F	SSC	125000	123749	-2	4.93	124798	4.85
Blue	E	FITC	17224	16765	-3	3.50	947	9.11
Blue	D	PE	22462	22021	-2	3.12	991	8.52
Blue	B	PerCP-Cy5-5	63940	62985	-2	3.72	1658	12.96
Blue	A	PE-Cy7	72480	71379	-2	4.55	943	24.61
Red	C	APC	63778	62407	-3	2.66	3518	8.15
Red	A	APC-Cy7	97254	96716	-1	2.72	1919	8.13
Violet	B	V450	10730	10503	-3	3.58	653	8.04
Violet	A	V500	42147	41455	-2	3.13	2347	5.75

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19836	3.41	588	-32	N/A	N/A	Pass
Blue	F	SSC	61783	3.75	512	-15	N/A	N/A	Pass
Blue	E	FITC	102	35.66	516	-23	0.0263	172	Pass
Blue	D	PE	204	24.40	511	-21	0.1664	118	Pass
Blue	B	PerCP-Cy5-5	202	39.92	600	-14	0.0121	66	Pass
Blue	A	PE-Cy7	71	94.35	652	-21	0.0152	5	Pass
Red	C	APC	327	26.07	582	-2	0.0211	0	Pass
Red	A	APC-Cy7	121	38.80	565	0	0.0046	801	Pass
Violet	B	V450	69	39.65	451	-23	0.0451	1446	Pass
Violet	A	V500	153	21.07	479	-24	0.0145	34	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.50	-31.22	0.81
Blue	20.35	16.27 - 24.41	1.24	0.99 - 1.49	0.00	0.00	1.29
Red	16.39	13.28 - 19.92	N/A	N/A	31.75	31.94	1.13

Window Extension: 7.00
FSC Area Scaling Factor: 0.88

Threshold

Threshold (FSC): 9714

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments